

Total Runoff Reduction Formulae

Actual Reduction for each BMP (from DURMM)*

Method 1

From the DURMM Rpv worksheet multiply,

$$\left[\frac{\text{"Total Rpv runoff reduction (in)"}}{\text{cell B36}} \right] \times \left[\frac{\text{"Contributing Area to BMP (ac)"}}{\text{cell B8}} \times 43560 \right] \times -1 = \text{the actual reduction from that BMP in cu. ft.}$$

Method 2

On the DURMM Rpv worksheet designate BMP-1 as "No BMP" and BMP-2 as designers designated bmp.

Then write down value of cell B47 with no BMP (A) and value of cell D42 w/ designated BMP (B).

Add $A + (-1 \times B) = \text{the actual reduction from that BMP in cu.ft.}$

* This has to be done so as to figure out the total runoff reduction for the entire contributing area, not just the credit or shortfall for that particular BMP.